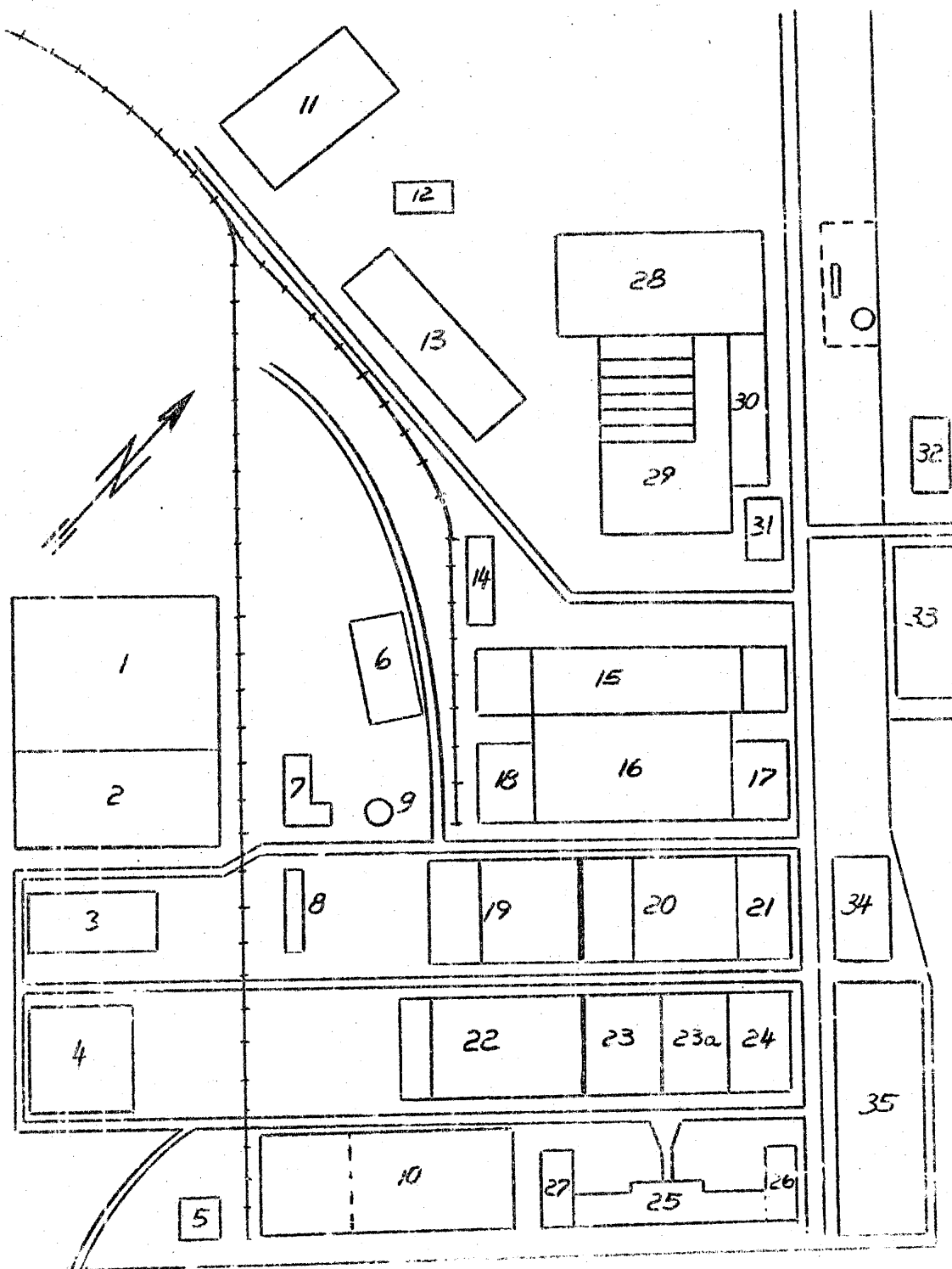


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Aircraft Engine Plant No. 26 in Rybinsk

Annex

CENTRAL INTELLIGENCE AGENCY



not to scale

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Legend.

1. Workshop No 1, a foundry and molding shop. This brick building, 80x60 meters in area and 15 meters high, housed twelve smelting furnaces, of which eight were oil-burning and four were electric. The melting pots of the furnaces were about 100x80 cm. They were charged with iron ingots and aluminum at an unknown ratio. The castings were lighter than iron but heavier than aluminum. The iron and aluminum ingots arrived by rail.
2. Extension of Workshop No 1, a brick building, 80x40 meters in area and 15 meters high. The construction of this annex was begun in April 1945, but it was not furnished in February 1949. [redacted] this annex was to house an extension of the foundry, and the polishing department was also housed in this workshop. 50X1-HUM
3. Object 25, 50x20 meters in area and 12 meters high. The reconstruction of this shop, 90 percent destroyed during the war, began in May 1948 and had not been completed by February 1949.
4. Hammer mill, 60x40 meters in area and 15 meters high. This shop was equipped with 3 large steam hammers, 3 small pneumatic hammers, 10 lathes, 10 milling machines, and 4 to 6 oil-burning annealing furnaces.
5. Power plant, 15x15 meters in area and 12 meters high.
6. Framework of a new building, 40x20 meters in area and 15 meters high.
7. Boiler house, 30x10 meters in area and 12 meters high.
8. Compressor house.
9. Water tower, a steel structure, 30 meters high. 50X1-HUM
10. Workshop No 4, an annealing shop housed in a brick building 100x40 meters in area and 15 meters high. This shop was 40 percent destroyed during the war, but its reconstruction, begun in the summer of 1946, was completed by October 1947. In this shop were 8 [redacted] electric annealing furnaces, about 25 small electric annealing furnaces and 10 to 15 oil baths. 50X1-HUM
11. Workshop No 33, where Diesel engines were assembled and [redacted] the machining of pistons. This building, 60x40 meters in area and 8 meters high, had about 30 machine tools, most of them milling machinery. 50X1-HUM
12. Aluminum punching shop, 20x15 meters in area and 8 meters high. This shop, which was not always in operation, had six electric punching machines for the punching of aluminum sheets.
13. Workshop No 32, producing radial engines. This shop was 80x30 meters in area and 8 meters high.
14. Underground fuel and oil depot, covering an area of 40x10 meters.
15. Engine depot, storing used German and Soviet aircraft of various types, unserviceable machine tools, and scrap. The engines and machine tools were to be cannibalized and then recast. This depot was 120x20 meters in area and 6 meters high.

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16. Workshop No 35, the milling and grinding shop, 60x40 meters in area and 10 meters high. This shop was 70 percent destroyed during the war, but its reconstruction, begun in the spring of 1945, was completed early in 1947. The shop, equipped with about 120 machine tools including 10-cylinder grinding machines, milled propeller hubs and ground cylinders and valves.
17. Workshop No 8, a punching shop, 25x20 meters in area and 8 meters high. Equipped with about 20 plate shears and punching machines, this shop produced exhaust stubs and engine cowlings.
18. Administration building II, 25x 20 meters in area and 8 meters high.
19. Workshop 3a, whose purpose is unknown. This shop, 60x40 meters in area and 10 meters high, was 90 percent destroyed during the war, but its reconstruction, begun in early 1945, was completed by early 1947.
20. Shop 21, containing about 50 unmounted machines, dismantled in Germany. This shop, 60x40 meters in area and 10 meters high, was 90 percent destroyed during the war.
21. Administration building III, 40x20 meters in diameter and 10 meters high.
22. Workshop No 10, which measured 60x40 meters and was 10 meters high. Reconstruction of this shop, 90 percent destroyed during the war, began in March 1945, but only the framework was completed by February 1949.
23. Workshop No 12, which, rebuilt after the war, was not yet furnished in February 1949. This building measured 40x30 meters and was 10 meters high.
- 23a. Workshop No 22, housing a locksmith's shop, an electrical shop, and a carpentry shop, doing work for plant requirements. This shop was 40x30 meters in area and 10 meters high. Its reconstruction, begun in March 1945, was completed in the summer of 1947.
24. Workshop No 19, which measured 40x30 meters and was 10 meters high. This shop was repaired between late 1945 and March 1946. Machining engine parts, this shop was equipped with 3 vertical turning and drilling mills 1.2 meters in diameter and about 25 other milling and drilling machines.
25. Laboratory, housed in a four-story building, 30x15 meters. The laboratory consisted of an industrial and a chemical section.
26. Annex to the laboratory, four stories high and 30x15 meters in area. Construction of this annex began in April 1945, but only the framework was completed by February 1949.
27. Department No 25, testing materials. This shop, 30x20 meters, housed metal-testing machines, 30 to 40 machine tools of various kinds, and several annealing furnaces with oil baths.
28. Object 43, 80x40 meters in area and 15 meters high. This building was 60 percent destroyed during the war. Its reconstruction was begun in April 1945, but only its framework had been completed by February 1949.

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[REDACTED]
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29. Test plant, 30x50 meters in area and 20 meters high. There were four old test stands and two new ones. In February 1949, the [REDACTED] 50X1-HUM
[REDACTED] these test stands were de- 50X1-HUM
signed for the testing of jet engines.
30. Shipping department 43, 70x12 meters in area and 15 meters high.
31. Fire station, 20x15 meters.
32. PW kitchen.
33. Factory kitchen.
34. Administration building I, 40x20 meters in area and 16 meters high.
35. Engine shop, housed on two floors and equipped with about 200 machine tools of various types. Small engine parts were machined there. About 90 percent of the workers employed there were women.

[REDACTED]
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